## WORKSHEET TO DETERMINE VOLUME OF
## LITTER FED TO CATTLE

**BROILER DATA:**

A.   No. of broilers _____          B.   No. of flocks per year _____

C.   Lbs litter produced/yr: (A x B x _____$^{1/}$ ) = _____ lbs/yr

D.   Number of cleanouts/yr _____

**STOCKER CATTLE:**

E.   Number of cattle _____          F.   Initial wgt on litter ration_____ lbs

G.   Final wgt on litter ration_____ lbs          H.   Total wgt gain (G - F) = _____ lbs

I.   Expected avg daily gain _____ lbs/day

J.   Days on litter ration (H/I) = _____/_____ = _____ days
     (Max value for J is 180 days to prevent Cu toxicity)

### Complete K and L as applicable:

K.   Total confinement of cattle:

   1.   Percent litter in ration (as decimal) $^{2/}$ _____

   2.   Litter fed per year:

        E     x     J     x (   F   +   G   ) x     K1     / 133,333 $^{3/}$ =

        _____ x _____ x (_____+_____) x _____ / 133,333 =

        _____ tons/yr (Enter tons fed in S)

L.   Partial confinement of cattle (free choice):

   1.   Quality of pasture factor:

        Excellent ----------- 0.18
        Good ---------------- 0.50
        Poor ----------------- 0.90

   2.   Percent litter in ration (as decimal) _____

   3.   Litter fed per year:

        E     x     J     x (   F   +   G   ) x   L1   x   L2   / 133,333 =

        _____ x _____ x (_____+_____) x _____ x _____ / 133,333 =

        _____ tons/yr (Enter tons fed in S)

$^{1/}$ Lbs waste/bird/flock from Table 3, Section III, Alabama Poultry Waste Management Workbook.
$^{2/}$ 50% litter in ration optimum for stocker cattle (Alabama Cooperative Extension Service Circular ANR-557).
$^{3/}$ Includes weight averaging, daily intake of 3% of animal weight, and tonnage conversion factors.

**BROOD COWS:**

M.  No. cows _____          N.  Avg wgt _____          P.  Days on litter [4/] _____

Q.  Percent litter in ration (as decimal) [5/] _____

R.  Tons litter fed to brood cows:

  M  x  N  x  P  x  L1  x  Q  / 66,667 [6/] =

  _____ x _____ x _____ x _____ x _____ / 66,667 =

  _____ tons/yr  (Enter tons fed in S)

S.  Total litter fed:

  K2  +  L3  +  R  = _____ tons/yr

  _____ + _____ + _____= _____ tons/yr

  (Use this figure on Form AL-ENG-25E, Item H.)

NOTE:  Use Form AL-ENG-25E to determine storage requirements.

[4/] Max days = 120 to prevent Cu toxicity problems.
[5/] Non-lactating brood cows:  Max 80% litter.  Lactating brood cows:  Max 65% litter.
[6/] Includes daily intake of 3% of animal weight and tonnage conversion factors.